

United States Department of Agriculture Animal and Plant Health Inspection Service Plant Protection & Quarantine 4700 River Road Riverdale, MD 20737

## Permit to Move Live Plant Pests, Noxious Weeds, and Soil

Interstate Movement

Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME: Erika Rohr Luke PERMIT NUMBER: P526P-18-00176
APPLICATION P526 180103 044

ORGANIZATION: Marrone Bio Innovations APPLICATION NUMBER: P526-180102-044

ADDRESS: 1490 and 1530 Drew Avenue FACILITY NUMBER: N/A

Davis, CA 95618

MAILING ADDRESS: 1530 Drew Avenue HAND CARRY: Yes

Davis, CA 95618

PHONE: 530-750-2800 DATE ISSUED: 01/16/2018
PAX: DATE AMENDED: 12/18/2019
EXPIRES: 01/16/2021

Marrone Bio Innovations, 1490 and 1530 Drew

**DESTINATION:** Marrone Bio Innovations, Avenue, Davis, CA 95618

RELEASE: No

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Under the conditions specified, this permit authorizes the following:						
Regulated Article	Life Stage(s)	Intended Use	<u>Shipment</u> <u>Origins</u>	Originally Collected	Culture Designation	
Agrotis ipsilon	Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		
Anticarsia	Any	Research - Growth	Continental	Originally Collected from		
gemmatalis		Chamber (lab included)	U.S.	Within the Continental U.S.		
Bactericera cockerell	i Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		
Bagrada hilaris	Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		
Diabrotica	Any	Research - Growth	Continental	Originally Collected from		
undecimpunctata		Chamber (lab included)	U.S.	Within the Continental U.S.		
Frankliniella	Any	Research - Growth	Continental	Originally Collected from		
occidentalis		Chamber (lab included)	U.S.	Within the Continental U.S.		
Helicoverpa zea	Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		
Heliothis virescens	Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		
Lygus hesperus	Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		
Myzus persicae	Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		
Plutella xylostella	Any	Research - Growth	Continental	Originally Collected from		
		Chamber (lab included)	U.S.	Within the Continental U.S.		

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Alaron.	
Osmond Baron	12/18/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)



Pseudoplusia	Any	Research - Growth	Continental	Originally Collected from
includens		Chamber (lab included)	U.S.	Within the Continental U.S.
Spodoptera exigua	Any	Research - Growth	Continental	Originally Collected from
		Chamber (lab included)	U.S.	Within the Continental U.S.
Tetranychus urticae	Any	Research - Growth	Continental	Originally Collected from
		Chamber (lab included)	U.S.	Within the Continental U.S.
Trichoplusia ni	Any	Research - Growth	Continental	Originally Collected from
_		Chamber (lab included)	U.S.	Within the Continental U.S.

## PERMIT GUIDANCE

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your State's Department of Agriculture to ensure proper permitting.

Receipt or use of foreign regulated organisms or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see

http://www.ustreas.gov/offices/enforcement/ofac/sanctions for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology). If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import\_export/animals/animal\_import/animal\_imports\_anproducts.sh tml.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

## PERMIT CONDITIONS

The permitee must follow these conditions without exception:

- 1. This permit authorizes Erika Rohr Luke, Marrone Bio Innovations, 1490 and 1530 Drew Avenue, Davis, CA, to move all stages of the above described regulated pests from the continental United States for laboratory research at the address above. These conditions must be followed:
- 2. The permit holder must:
  - (a) comply with all requirements and permit conditions,
  - (b) maintain a valid permit so long as the regulated organisms are alive,
  - (c) not assign or transfer this permit to other persons,
  - (d) be a resident of the United States
  - (e) safeguard and dispose of the regulated organisms during the term of this permit,

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- (f) take all necessary precautions to prevent the unauthorized release of regulated organisms. In the event of an unauthorized release, the permit holder must notify the permit unit,
- (g) adequately mitigate environmental impacts resulting from unauthorized release of regulated organisms,
- (h) contain any/all organisms not authorized under this permit,
- (i) notify the permit unit of the receipt of unauthorized organisms,
- (i) notify the permit unit if facilities are destroyed or decommissioned for any reason,
- (k) maintain an official permanent work assignment at the address on this permit,
- (l) notify the permit unit in advance of any change in the permit holder's work assignment,
- (m) destroy all regulated organisms prior to departure from the organization unless other arrangements are confirmed by the permit unit prior to parting, and
- (n) notify the permit unit of the destruction of regulated organisms.

Notifications to the permit unit must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

3. All packages for transport must minimally consist of both inner (primary) and outer (secondary) packages securely sealed and escape-proof so that both are effective barriers to escape. More than one inner container may be placed in the secondary container. The inner package(s) shall contain all organisms and must be cushioned and sealed in such a way that it remains sealed during the shock, impact and pressure changes that may occur. The outer shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

Place a copy of this permit with all shipments (either inside or outside the package).

A copy of this permit must accompany all hand carrying events.

- 4. This permit is not valid for resale or redistribution of the above described regulated pests. Additional movement within the destination state may require additional approval from State regulatory officials and from USDA-APHIS Plant Protection and Quarantine.
  - Interstate distribution requires a separate PPQ 526 permit. For example, anyone requesting to receive these organisms from the permittee must possess a valid PPQ 526 permit to receive them.
- 5. This permit only covers the above described regulated pests. Work with plant diseases that these arthropods may transmit originating from outside of the destination state requires a separate permit.

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6. All persons working with these regulated pests must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/ APHIS but must be readily accessible in the event of an inspection and presented upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

- 7. Interstate movement of Diabrotica undecimpunctata, Helicoverpa zea, and Heliothis virescens known to be, or putatively resistant to Bacillus thuringiensis requires a separate permit.
- 8. All Anticarsia gemmatalis must be maintained under escape-proof conditions at all times within the containment facility. The facility (or growth chamber) must be locked when the permitee or their designee is not present. The capacity of Anticarsia gemmatalis to escape (dig, claw, push, fly, or chew through wood, plastics, or metals) must be considered in confinement design.

Collection methods must be available to catch escaping Anticarsia gemmatalis.

All materials removed from caging / shipping must be thoroughly examined for Anticarsia gemmatalis and as follows:

All waste materials from these cultures and any associated shipping materials must be disposed of properly. All waste materials must be double bagged and prepared by one of the following methods prior to disposal: 1) frozen at -20 C for 72 hours (note this is colder than most refrigerator freezers), 2) autoclave (preferred), 3) incinerated before entering the municipal waste stream, 4) pouring a cup of laundry bleach in the inner bag and retain the waste for 24 hours before disposal.

- 9. This permit authorizes the interstate movement from colonies that originated in the continental United States. Colonies that originated from foreign countries, from US territories, or Hawaii requires a separate permit.
- 10. Any alteration, forgery or unauthorized use of this permit and associated Federal Forms are subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b) or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001).
- 11. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials must be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.

## **END OF PERMIT CONDITIONS**

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